

## CIVIL ENGINEER-DRAIN

GENERAL STATEMENT OF DUTIES: Performs responsible and technical engineering work in the Drain Commissioner's Office, Surface Water Management Division; including design and construction of drainage and storm water management systems and other utilities including interpreting plans and specifications, inspections and related engineering activities; works under the supervision of the Director; performs related duties as required.

### STATEMENT OF TASKS:

Consults with contractors, consultants and staff during project designs and construction and acts as an inspector during construction projects;  
Evaluates and makes reports on existing conditions on construction projects and related facilities;  
Carries out preliminary studies;  
Investigates and addresses drainage problems of a non-engineering nature.

The statement of tasks above is intended to be sufficient to identify the class and be illustrative of the many duties that may be assigned. It should not be interpreted to describe all of the duties an employee assigned to this class may be required to perform.

### REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

Good knowledge of the principles and practices of Civil Engineering;  
Good knowledge of design and construction of storm drain projects;  
Knowledge of soil erosion;  
Good knowledge of and skill in making difficult engineering and structural computations;  
Ability to perform research and give reliable advice on difficult engineering problems;  
Ability to follow complex written and oral instructions;  
Ability to communicate effectively both orally and in writing;  
Ability to maintain good interpersonal relationships;  
Ability to attend work regularly and work under stressful conditions.

### MINIMUM QUALIFICATIONS

B.S. in Civil Engineering -OR- B. S. in Environmental Engineering with a Water Resources emphasis. B. S. degree must be from an ABET (Accreditation Board for Engineering and Technology) accredited program.

### SPECIAL REQUIREMENTS:

Passed Part I (Fundamentals of Engineering) State of Michigan Professional Engineering Exam is preferred,  
Employee must be certified as County Soil Erosion Enforcement Agent within one (1) year of employment.  
Must possess a valid Michigan driver's license.

Established: January 24, 1977

Revised: February 20, 1985

Revised: March 8, 2002

Revised: July 3, 2002

  
Human Resources Director